

## **SPECIFICATIONS**

Vendor shall provide a complete deionized water system using an existing recirculating system, which services a multi-floor laboratory facility from the basement of the R.S. Gass building.

The quality of deionized water produced by this system must meet these specifications as required by federal and state methodologies:

**Bacteria:** less than 10 CFU per mL

**pH:** in a range of 5.5 to 7.5 at point of use

**Conductivity:** less than or equal to 0.20 micromhos/cm at 25 deg C

**Total Metals:** less than or equal to 10 part per billion

Vendor service must include these items to be compatible with existing system and to supply deionized water of specified quality according to federal and state methodologies:

1. To furnish and install 20-inch, 10-micron filters as needed to produce 25 gpm. Filters must be compatible with existing housing and system.
2. To furnish and install 12-inch, 2-micron filters as needed to produce 25 gpm. Filters must be compatible with existing housing and system.
3. To furnish new UV lamps annually or as needed based on monitoring and/or system performance.
4. . Furnish a log at location of all maintenance performance.
5. To provide an emergency contact telephone number and/or e-mail address for reporting problems. Vendor will respond, on-site, to emergency or priority service calls within 4 hours, to include replacement filters.
6. To bleed air and flush water from system and re-circulating pumps each time service is rendered.
7. Estimated usage: 260,000 gallons per year.
8. Bids shall be based on cost per gallon.